NobleClays™

Silver sterling

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new formula

1. PREPARATION
2. FORMATION
3. DRYING
4. BURNING
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This is the first in Poland silver sterling clay ready for immediate use.
Possibility of longer working with clay, increased flexibility
and plasticity of the clay is one of the new strengths of our clay.
Certainly, these features improve the quality of your work.

Sterling after unpacking seems hard and brittle.
Sterling closed in an airtight container changes its properties.
In order to obtain a suitable consistency,
should be rolled out several times between layers of foil food.
After few moves, the clay becomes soft and easy to work with.

NobleClays™ SILVER STERLING
powder and clay contains nanometric
and micrometric particles of silver sterling and biopolymer.
Powders and clays are used for the manufacture of silver sterling jewelry
and other items made of silver sterling.

NobleClays™ SILVER STERLING
in the form of clay out of the box is immediately ready for use.

NobleClays™ SILVER STERLING
in powder form, after adding water and stirring,
allows to obtain clays of different plasticity
(depending on the amount of added water).

FORMATION

NobleClays™ SILVER STERLING
clay shapes in a scheduled form by carving, rolling,
imprinting, applied with a syringe, etc.

It is also possible append additional elements
(dampen concatenated elements, press and allow to dry).

DRYING

Dry it thoroughly shaped elements at temperatures **below 100°C.**

Items to 3mm thick

- 24 hours at room temperature.
- Hair dryer 30 to 60 minutes.
- Mushrooms dryer and / or fruit and vegetables dryer 30 to 60 minutes.
- Heater for drinks and food 30 to 60 minutes.
- Heat Gun (carefully! very hot air at the outlet) 30 to 60 minutes.
- Plate heat 30 to 60 minutes.
- Kiln of cooking stove 30 to 60 minutes.
- Kiln 30 to 60 minutes.

Items more than 3mm to 5mm thick

- 1.5 x time (for example, 1.5 x 30 minutes = 45 minutes)

Items more than 5mm to 10mm thick

- 3 x time (egg 30 minutes x 3 = 90 minutes)

Massive, heavy elements (be especially careful)
Drying may take a lot longer.
It is better to dried too much (over dried) the massive, thick objects,
than not thoroughly dried object firing in kiln.

FIRING

PHASE I

Place dried object in a stainless steel container, on a layer of about 2 cm of activated charcoal.
In phase one You do not cover the objects with carbon. With access of air You heat it to 530°C.
In this phase, the objects are very fragile so please be careful.
You do not cool it down before stage 2.

PHASE II

Cover the burned object from phase one with 3cm layer of carbon. Best to fill up the container with coal.
Please note to tightly close the container. After firing cool down the container without opening it.
Cooling in the coal will prevent to generate large layer patina on the surface of the object.
Of course you can immediately remove the item, but it will quickly cover with large layer of patina.

Flat items, the temperature of 800°C - 830°C - possible contraction of Items 15-20%

- Items to 2mm thick = heat it 1h
- Items to 4mm thick = heat it 2h- may be less (do the test sample)
- Items to 6mm thick = heat it 3h - may be less (do the test sample)
- Items over 6mm thick = heat it above 4h - may be less (do the test sample)

Spatial objects, forms, sculpture, the temperature of 800°C - 830°C - possible contraction of Items 15-20%

- Items to 2mm thick and 2cm height = heat it 1h
- Items to 4mm thick and 4cm height = heat it 2h- may be less (do the test sample)
- Items to 6mm thick and 6cm height = heat it 3h - may be less (do the test sample)
- Items over 6mm thick and 5 cm above the height = heat it above 4h - may be less (do the test sample)

After firing and cooling, we clean and polish the object.

Do not burn (or aluminum tools) the silver on the heat-resistant mats made of Al_2O_3
(silver may darken in the case of use of such mats).
After firing, we get the product of silver .925 concentration.

USEFUL INFORMATION

The time of clay plasticity can be extended by adding 1 drop of glycerin per 5 grams of clay.

NobleClays™ SILVER STERLING
clay can be rolled to a thickness of 0.2 mm between two layers of food foil.

Do not burn (or aluminum tools) the silver on the heat-resistant mats made of Al_2O_3
(silver may darken in the case of use of such mats).

After firing, we get the product of silver .925 concentration.

STORAGE

NobleClays™ SILVER STERLING
products are packaged in hermetically sealed containers to maintain freshness of the product.
Products should be stored at 5 to 25°C.
Original sealed containers can store about 24 months.
Gently adding water on dried clay then by kneading and rolling can restore the desired consistency.

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